

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 322 AND MARLBORO AVE. IN TALBOT COUNTY. THE WORK INCLUDES ADDING AN ADDITIONAL RIGHT TURN LANE BY WIDENING THE WESTBOUND APPROACH OF MARLBORO AVE. MD 322 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE MD 322 INTERSECTION OPERATES IN A NEMA EIGHT-PHASE, FULLY-ACTUATED MODE WITH EXCLUSIVE-PERMISSIVE LEFT TURN PHASES FOR ALL APPROACHES.

CONTACT PERSONS FOR DISTRICT 2 ARE AS FOLLOWS:

MR. ROBERT KIEL  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
(410) 810-3240

MR. TERRY WRIGHT  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
(410) 810-3250

MR. BARRY CLOTHIER  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
(410) 810-3275

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS  
(410) 787-7630

MR. EUGENE BAILEY  
TEAM LEADER SIGN OPERATIONS  
(410) 787-7676

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF,  
TRAFFIC OPERATIONS  
(410) 787-7631

MS. DARLENE EIDE  
SUPPLY OFFICE  
SIGNAL SHOP WAREHOUSE  
(410) 787-7668

MR. ED RODENHIZER  
TEAM LEADER SIGNAL OPERATIONS  
(410) 787-7652

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY THE SHA AND INSTALLED BY THE CONTRACTOR

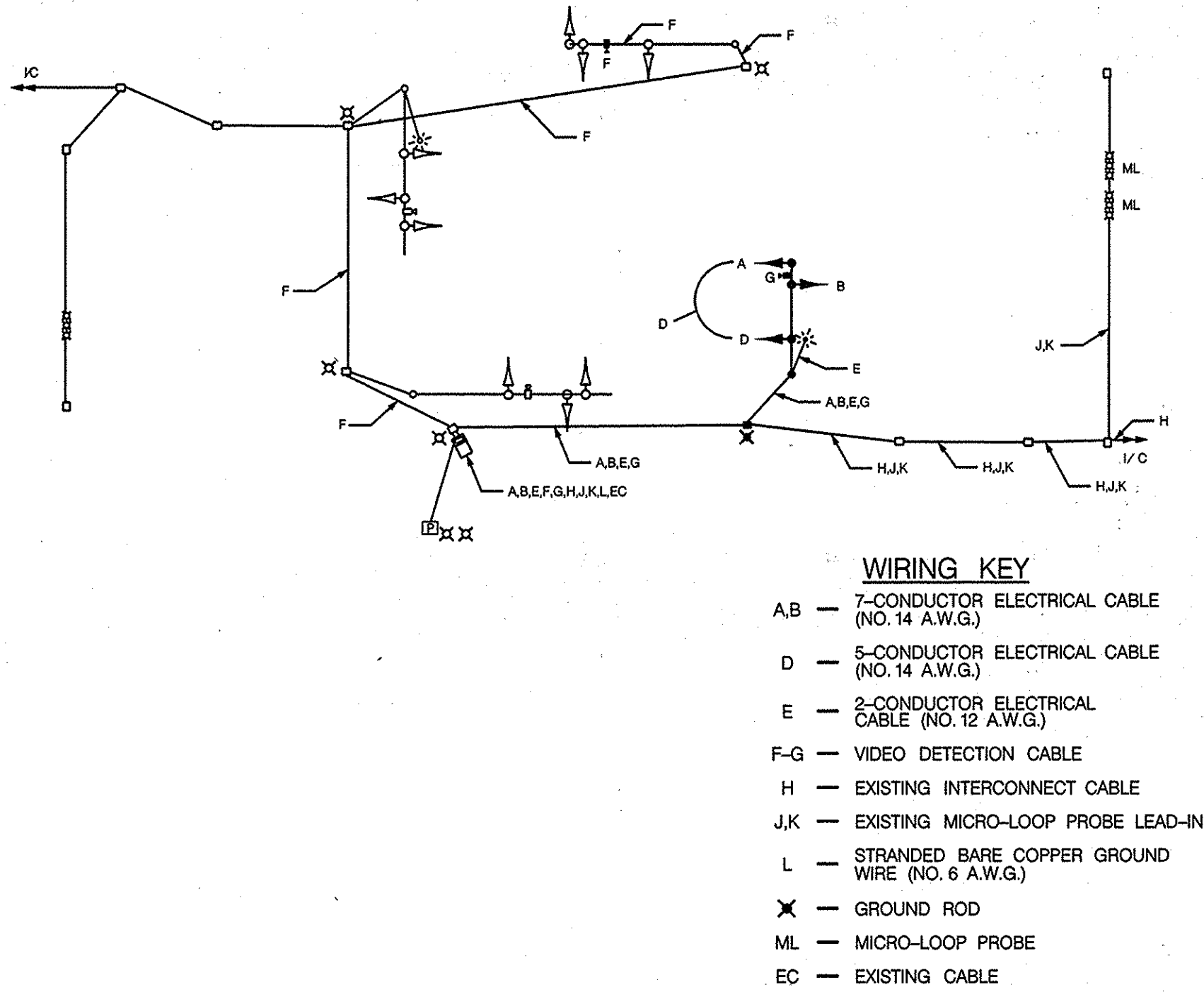
ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE OFFICE OF TRAFFIC AND SAFETY FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
LS	MAINTENANCE OF TRAFFIC
1 EA	MOBILIZATION
.5 CY	TEST PIT EXCAVATION
3 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
22 LF	FURNISH AND INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
1 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA WITH 200 FT. LEAD-IN CABLE
1 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA WITH 400 FT. LEAD-IN CABLE
3 EA	FURNISH AND INSTALL 8 IN. LED VEHICULAR SIGNAL HEAD SECTION WITH HARDWARE
10 EA	FURNISH AND INSTALL 12 IN. LED VEHICULAR SIGNAL HEAD SECTION WITH HARDWARE
1 EA	FURNISH AND INSTALL 15 FT. STREET LIGHTING BRACKET ARM
1 EA	FURNISH AND INSTALL 250 WATT HPSV LUMINAIRE WITH PHOTOCELL
1 EA	FURNISH AND INSTALL 27 FT. MAST ARM POLE WITH SINGLE 38 FT. MAST ARM
LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT AND MATERIAL
85 LF	FURNISH AND INSTALL 3 IN. PVC SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
100 LF	FURNISH AND INSTALL 4 IN. PVC SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
1 EA	FURNISH AND INSTALL COPPER GROUND ROD .34 IN. DIAMETER x 10 FT. LENGTH
400 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 A.W.G.)
25 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 A.W.G.)
200 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR (NO. 12 A.W.G.) - TRAY CABLE
110 LF	FURNISH AND INSTALL STRANDED BARE COPPER WIRE (NO. 6 A.W.G.)
3 EA	REMOVE AND RELOCATE EXISTING TRAFFIC SIGNS
550 LF	DISCONNECT, PULL BACK AND RECONNECT EXISTING ELECTRICAL CABLES
7.5 SF	FURNISH AND INSTALL SHEET ALUMINUM SIGN R3-5R - MAST ARM MOUNT

WIRING DIAGRAM



PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11	12
PHASE 1 & 5	R	R	R	R	R	R	R	R	R	R	R	R
1 & 5 CHANGE	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G
PHASE 1 & 6	G	G	G	G	G	G	G	G	G	G	G	G
1 CHANGE	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G
PHASE 2 & 5	R	R	R	R	R	R	R	R	R	R	R	R
5 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 2 & 6	G	G	G	G	G	G	G	G	G	G	G	G
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PHASE 3 & 7	R	R	R	R	R	R	R	R	R	R	R	R
3 & 7 CHANGE	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G
PHASE 3 & 8	R	R	R	R	R	R	R	R	R	R	R	R
3 & 8 CHANGE	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G
PHASE 4 & 7	R	R	R	R	R	R	R	R	R	R	R	R
4 & 7 CHANGE	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G
PHASE 4 & 8	R	R	R	R	R	R	R	R	R	R	R	R
4 & 8 CHANGE	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET  
MD 322 AND MARLBORO AVE.  
(EASTON, MARYLAND)

TRAFFIC CONCEPTS, INC.

325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101  
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EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

SCALE NONE DATE 7-1-08 CONTRACT NO. BW699M82

DESIGNED BY S. RENZI COUNTY TALBOT  
DRAWN BY M. ROSEN LOGMILE 2032203.29  
CHECKED BY S. RENZI T.I.M.S. NO. I-998  
F.A.P. NO. TOD NO.

DRAWING NO. TS-3388 E GI SHEET NO. 2 OF 2

FILE PATH: M:\2100\2164\Signal\DGN\SIGNAL- MD 322 @ Marlboro\signal.dgn  
DATE: Monday, July 21, 2008 AT 11:30 AM